

ABSTRACT

Disclosed is a heat-peelable pressure-sensitive adhesive sheet that can prevent the deformation of a pressure-sensitive adhesive layer caused by pressurization, further reduce chipping in grinding and cutting processes, be easily peeled off from a processed article after processing, and can be easily applied to an adhered at ordinary temperature.

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The heat-peelable pressure-sensitive adhesive sheet includes a substrate, and a heat-expandable pressure-sensitive adhesive layer arranged on or above at least one side of the substrate, the heat-expandable pressure-sensitive adhesive layer containing a foaming agent and having a shear modulus (23°C) in an unfoamed state of 7×10^6 Pa or more. The adhesive sheet further includes a pressure-sensitive adhesive layer being arranged on or above the heat-expandable pressure-sensitive adhesive layer and having a shear modulus (23°C) of less than 7×10^6 Pa. The pressure-sensitive adhesive layer arranged on the heat-expandable pressure-sensitive adhesive layer preferably has a thickness of 0.01 to 10 μm .

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